

Wright J65

J65



Sectioned Wright J65

Type	Turbojet
Manufacturer	Curtiss-Wright
First run	1 October 1948
Major applications	A-4 Skyhawk Martin B-57 Canberra Republic F-84F Thunderstreak
Developed from	Armstrong Siddeley Sapphire

The **Wright J65** was an axial-flow turbojet engine produced by Curtiss-Wright under license from Armstrong Siddeley. A development of the Sapphire, the J65 powered a number of US designs.

Curtiss-Wright purchased a license for the Sapphire in 1950, with plans to have the production lines running in 1951. However a series of delays led to its service introduction slipping a full two years, by which point the Pratt & Whitney J57 was on the market and took many of the J65's potential sales.

Nevertheless, once it entered production it proved to be as good as the British versions, and along with the Martin B-57, its original target, the J65 went on to power versions of the Douglas A-4 Skyhawk, Republic F-84F Thunderstreak, and the two Lockheed XF-104 Starfighter prototypes.

Applications

- A-4 Skyhawk
- B-57 Canberra
- F-11 Tiger
- F-84F Thunderstreak
- FJ-3 Fury
- FJ-4 Fury
- Lockheed XF-104

Specifications (W-16A)

General characteristics

- **Type:** Turbojet
- **Length:** 3098 mm
- **Diameter:** 953 mm
- **Dry weight:** 1244 kg

Components

- **Compressor:** axial
- **Combustors:** annular

Performance

- **Maximum power output:**
- **Power-to-weight ratio:**